IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant	:	David Roth Rigney	
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Examiner	:	Cheyne D. Ly	

Transmittal Letter for Submission of Computer Program Listing "bow19991122"

Please find enclosed two compact discs, each of which is enclosed in a hard compact disc case, within an unsealed padded and protective mailing envelope. The labels affixed to the discs identify them as COPY 1 and COPY 2, respectively.

The disc identified as COPY 1 is the original, and the disc identified as COPY 2 is a duplicate. The contents of the two discs are identical. Both of the compact discs were created on June 27, 2006.

The machine format for both compact discs is IBM-PC. The operating system compatibility for both compact discs is MS-Windows. A computer, reading either disc, will read the disc's label as **"bow19991122"**, its type as "CD-ROM Disc", and its file system type as "CDFS".

A four page document entitled "directory_bow19991122_complete" is attached to this transmittal letter. It provides hierarchical directories of the contents of the files that are contained on the compact discs. The root directory is E:\. That root directory contains within it a directory named E:\bow-19991122. The latter directory in turn contains two subdirectories, named E:\bow-19991122\argp and E:\bow-19991122\bow. In the attached document "directory_bow19991122_complete", the complete contents of each of the directories and subdirectories are listed one after the other, in which a line in the printout demarcates the end of

one directory (or subdirectory) and the beginning of another. Note that when the compact discs are read on a machine other than the one used to create them, the root directory might contain a drive-letter other than "E:\", depending on how the CD-drive is configured on the system that is reading the compact disc.

Each of these directories contains files, in addition to the subdirectories mentioned above. In the attached document "directory_bow19991122_complete", the right-most column gives the complete name of each file, which includes the file-extension for the type of the file (e.g., ".c" for a text file written for the C programming language). The left-most column gives the truncated name of the file in MS-DOS format, and the file-extension for the type of file is provided in a column to the immediate right of the truncated MS-DOS name. The size of each file (in bytes) is given to the right of the MS-DOS name. For each file, the day and time-of-day of file-creation are given in columns to the right of the file-size column.

As described in the attached "Declaration of David R. Rigney", all of the files on the compact discs were downloaded from the Web site www.cs.cmu.edu/~mccallum/bow. The files in "E:\bow-19991122" and its subdirectories were downloaded on March 18, 2000 in compressed form, then uncompressed (with the UNIX "tar" utility program).

The files in the directories and subdirectories of "E:\bow-19991122" consist of the "bow" software toolkit (Makefile Version November 22, 1999). As described at the Web site www.cs.cmu.edu/~mccallum/bow, and in the "bow" software code itself, the "bow" computer program code is (and was in March 2000) freely available, public domain software:

> It is released under the Library GNU Public License (LGPL). You are welcome to use the code under the terms of the license for research or commercial purposes, however please acknowledge its use with a citation:
>> McCallum, Andrew Kachites. "Bow: A toolkit for statistical language modeling, text retrieval, classification and clustering." http://www.cs.cmu.edu/~mccallum/bow. 1996.

For more information about the Library GNU Public License, contact the Free Software Foundation, Inc., 51 Franklin St - Fifth Floor, Boston, MA 02110-1301 USA, or consult their web site http://www.fsf.org/.

The computer program listings on the disc are in a machine-independent language (i.e., source code that must be compiled before being run). The "bow" software is intended to be installed and run in a UNIX operating system environment, e.g., Linux , or DJGPP within a MS-Windows system. A preliminary to installing the "bow" software library is described in the file "E:\bow-19991122\HACKING", namely, to run the "autoconf" program. Then, compiling and installing the "bow" software library are performed as described in the file "E:\bow-19991122\INSTALL", and sample programs may then be run (e.g., the "Rainbow" program.).

The program "Rainbow", which accompanies the "bow" software toolkit, serves as a front-end for the toolkit, allowing the user to make use of the functions of the toolkit through command-line commands that the user provides to Rainbow. The file "E:\Rainbow.htm" is a tutorial describing the computer program "Rainbow", last updated by its author, Andrew McCallum, on September 30, 1998. The tutorial is also useful for testing the operation of "Rainbow" once it has been installed as described in the previous paragraph. The tutorial is readable by a Web browser such as Microsoft's Internet Explorer. That tutorial file was copied from the Web site www.cs.cmu.edu/~mccallum/bow on March 22, 2000. It was also cited as reference #19 for the Information Disclosure for this patent application, and another yet another printed copy was attached by the Patent Examiner in an office communication dated January 8, 2004.

As described in the tutorial:
> The general pattern of rainbow usage is in two steps (1) have rainbow read your documents and write to disk a "model" containing their statistics, (2) using the model, rainbow performs classification or diagnostics.

> You can obtain on-line documentation of each rainbow command-line option by typing rainbow --help | more

The online documentation that may be obtained with the "rainbow --help" command is printed out in an appendix to the attached "Declaration of David R. Rigney".

This transmittal letter for submission of the computer program listing "bow19991122" on compact disc is submitted by:

David R Rigney
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David R. Rigney   Date: July 18, 2006

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CERTIFICATE OF EXPRESS MAIL UNDER 37 C.F.R. 1.10

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated below and is addressed to Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Printed Name: David R. Rigney   Date of Deposit: July 19, 2006

Signature: *David R Rigney*   Express Mail Label No. EQ 833932995 US

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